

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Olivia Tsai on December 9, 2009.

The application has been amended as follows:

As per claim 23, line 17, replace the term "the" before the terms "content addressable memory" with the term --a--

As per claim 27, line 1, replace the number "26" with the number --23-- after the term claim

***Allowable Subject Matter***

2. Claims 1-4, 6-14, 16-24, and 27 are allowed.

3. The following is an examiner's statement of reasons for allowance: The present invention relates to a system and method for controlling the order in which threads are dispatched within a multithread, multi-core graphics system. The prior art cited discloses a similar system and method for maintaining the order in which threads are dispatched, but does not specifically disclose, "wherein a *single* look-up of the render-cache controller acquires information to control the thread being dispatched to or blocked from the graphics engine based on the data coherency maintained by the render-cache controller and the order of the thread maintained by the render-cache controller" [claim 1].

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Pottier, Jr. (US 7,039,914) discloses a system and

method for maintaining order of threads by way of an order manager, but disclose multiple look-up operations to the order manager.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JACINTA CRAWFORD whose telephone number is (571)270-1539. The examiner can normally be reached on M-F 8:00a.m. - 5:00p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272-7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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